

ABSTRACT

A business wireless communication system, which includes both a repeater relay station of a wireless network using a repeater system and an FDMA relay station of a wireless network using FDMA system, comprises means for ensuring that the repeater relay station, when receiving a call signal from a repeater wireless terminal of the wireless communication network of the repeater system, is communication-line-connected to the FDMA relay station so as to forward the call signal to the FDMA relay station, which sets the forwarded call signal to a control signal and transmits it to an FDMA wireless terminal of the wireless communication network of the FDMA system; and means for ensuring that the FDMA wireless terminal receives the control signal to communicate with the repeater wireless terminal via the repeater relay station. In this way, there can be provided a wireless communication method, a system using the same, and a wireless terminal thereof, wherein a single reception frequency is used to attend to call signals of two different wireless communication systems.